

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-12. (Cancelled)

13. (Currently Amended) A broadcast receiving method comprising:

a receiving step of receiving, simultaneously with broadcast contents, a broadcast in which additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains containing keyword information for specifying said an object that appears in the broadcast contents, and a language model scene code indicating a scene of the broadcast contents, the additional information and the scene code are being broadcasted simultaneously with said broadcast contents;

a correcting step of utilizing a synonym dictionary in which a plurality of words are classified into word classes on the basis of the synonymy between the words, and of thereby correcting a frequency of appearance of a predetermined combination of said word classes in an expression form of said language model and/or a frequency of appearance of a predetermined word with reference to said word class in an expression form of said language model, on the basis of history information of speech recognition result of already performed speech recognition;

a language model specifying step of specifying, out of language models retained in advance, the language model corresponding to the received scene code when the scene code is received;

a speech recognition step of performing speech recognition of a voice uttered by a viewing person, by using said ~~the corrected~~ specified language model;

a specifying step of specifying said ~~the~~ keyword information based on ~~the basis of~~ the speech recognition result; and

a displaying step of displaying the additional information ~~corresponding to~~containing said the specified keyword information.

14. (Currently Amended) A ~~The~~ broadcast receiving method according to claim 13, further comprising:

~~a receiving step of receiving a broadcast in which additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains keyword information specifying said object and information specifying a language model are broadcasted simultaneously with said broadcast contents;~~

~~a language model specifying step of specifying said language model retained in advance, by using information specifying said received language model;~~

a correcting step of utilizing a synonym dictionary, in which a plurality of words are classified into word classes based on the basis of the synonymy between the words, ~~and of to~~ thereby ~~correcting~~ correct a frequency of appearance of a predetermined combination of said the word classes in an expression form of said the specified language model and/or a frequency of appearance of a predetermined word with reference to said a predetermined word class in ~~an~~ the expression form of said the specified language model, based on the basis of history information of on speech recognition result results of already performed speech recognition;

wherein ~~a the~~ speech recognition step of ~~performing~~ performs the speech recognition of a voice uttered by a viewing person, by using said the corrected language model;

~~a specifying step of specifying said keyword information on the basis of the speech recognition result; and~~

~~a displaying step of displaying additional information corresponding to said specified keyword information.~~

15. (Cancelled)

16. (Currently Amended) A broadcast receiving system comprising:

a first apparatus having comprising a broadcasting part ~~for~~ broadcasting additional information ~~that is made to correspond to an object appearing in broadcast contents~~

~~broadcasted from a broadcasting station and that contains~~containing keyword information for specifying ~~said an object that appears in broadcast contents~~, and a language model ~~scene code indicating a scene of the broadcast contents, simultaneously with said broadcast contents, and~~

a second apparatus ~~having~~comprising:

~~a receiving part for receiving, simultaneously with the broadcast contents, said broadcast~~the additional information and the scene code broadcasted from said first apparatus;
~~correcting part for utilizing a synonym dictionary in which a plurality of words are classified into word classes on the basis of the synonymy between the words, and of thereby correcting a frequency of appearance of a predetermined combination of said word classes in an expression form of said language model and/or a frequency of appearance of a predetermined word with reference to said word class in an expression form of said language model, on the basis of history information of speech recognition result of already performed speech recognition;~~

~~a language model specifying part specifying, out of language models retained in advance, the language model corresponding to the received scene code when the scene code is received;~~

~~a speech recognition part for performing speech recognition of a voice uttered by a viewing person, by using said~~the corrected specified language model;

~~a specifying part for specifying said~~the keyword information based on the basis of the speech recognition result; and

~~a displaying part for displaying~~the additional information ~~corresponding to~~containing said ~~the~~ specified keyword information.

17. (Currently Amended) A ~~The~~ broadcast receiving system ~~comprising~~according to claim 16, wherein

~~a first apparatus having broadcasting part for broadcasting additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains keyword information specifying said object, and information specifying a language model, simultaneously with said broadcast contents, and~~

~~a the second apparatus having: further comprises receiving part for receiving said broadcast broadcasted from said first apparatus; language model specifying part for specifying said language model retained in advance, by using information specifying said received language model; a correcting part for utilizing a synonym dictionary, in which a plurality of words are classified into word classes based on the basis of the synonymy between the words, and of to thereby correcting correct a frequency of appearance of a predetermined combination of said the word classes in an expression form of said the specified language model and/or a frequency of appearance of a predetermined word with reference to said a predetermined word class in an the expression form of said the specified language model, based on the basis of history information of on speech recognition result results of already performed speech recognition; and~~

~~the speech recognition part for performing performs the speech recognition of a voice uttered by a viewing person; by using said the corrected language model; specifying part for specifying said keyword information on the basis of the speech recognition result; and displaying part for displaying additional information corresponding to said specified keyword information.~~

18. (Cancelled)

19. (Currently Amended) A first apparatus comprising:

~~a broadcasting part for broadcasting additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains containing keyword information for specifying said an object that appears in broadcast contents, and a scene code indicating a scene of the broadcast contents, language model; simultaneously with said broadcast contents; wherein~~

~~wherein, said broadcast is received by a second apparatus comprising: receiving part for receiving said broadcast; the additional information and the scene code are, simultaneously with the broadcast contents, received, correcting part for utilizing a synonym dictionary in which a plurality of words are classified into word classes on the basis of the synonymy between the words, and of thereby correcting a frequency of appearance of a predetermined combination of said word classes in an expression form of said language model and/or a frequency of appearance of a predetermined word with reference to said word class in an expression form of~~

~~said language model, on the basis of history information of speech recognition result of already performed speech recognition;~~

a language model corresponding to the received scene code when the scene code is received is, out of the language models retained in advance, specified,

~~speech recognition part for performing speech recognition of a voice uttered by a viewing person is, by using said the corrected specified language model, performed;~~

~~specifying part for specifying said the keyword information is specified based on the basis of the speech recognition result;~~ and

~~displaying part for displaying the additional information corresponding to containing said the specified keyword information is displayed.~~

20. (Currently amended) A The first apparatus comprising: according to claim 19, wherein

~~broadcasting part for broadcasting additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains keyword information specifying said object, and information specifying a language model, simultaneously with said broadcast contents;~~

~~wherein said broadcast is received by a second apparatus comprising: receiving part for receiving said broadcast; language model specifying part for specifying said language model retained in advance, by using information specifying said received language model; correcting part for utilizing a synonym dictionary, in which a plurality of words are classified into word classes based on the basis of the synonymy between the words, is utilized and often thereby correcting correct a frequency of appearance of a predetermined combination of said the word classes in an expression form of said the specified language model and/or a frequency of appearance of a predetermined word with reference to said a predetermined word class in an the expression form of said the specified language model, based on the basis of history information of on speech recognition result results of already performed speech recognition;~~ and

~~speech recognition part for performing the speech recognition of a voice uttered by a viewing person, is performed by using said the corrected language model; specifying part for~~

~~specifying said keyword information on the basis of the speech recognition result; and displaying part for displaying additional information corresponding to said specified keyword information.~~

21.-24. (Cancelled)

25. (Currently Amended) ~~An~~A second apparatus comprising:

~~a receiving part for receiving, simultaneously with broadcast contents, a broadcast broadcasted from a first apparatus having broadcasting part for broadcasting additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains~~containing ~~keyword information for specifying said an object that appears in the broadcast contents, and a language-model~~scene code indicating a scene of the broadcast contents, the additional information and the scene code being broadcasted, simultaneously with said broadcast contents;

~~correcting part for utilizing a synonym dictionary in which a plurality of words are classified into word classes on the basis of the synonymy between the words, and of thereby correcting a frequency of appearance of a predetermined combination of said word classes in an expression form of said language model and/or a frequency of appearance of a predetermined word with reference to said word class in an expression form of said language model, on the basis of history information of speech recognition result of already performed speech recognition;~~

a language model specifying part specifying, out of language models retained in advance, the language model corresponding to the received scene code when the scene code is received;

a speech recognition part for performing speech recognition of a voice uttered by a viewing person, by using said~~the corrected specified~~ language model;

a specifying part for specifying said~~the~~ keyword information ~~based~~ on the basis of the speech recognition result; and

a displaying part for displaying ~~the additional information corresponding to~~containing said~~the~~ specified keyword information.

26. (Currently Amended) A ~~The~~ second apparatus according to claim 25, further comprising:

~~receiving part for receiving a broadcast broadcasted from a first apparatus having broadcasting part for broadcasting additional information that is made to correspond to an object appearing in broadcast contents broadcasted from a broadcasting station and that contains keyword information specifying said object, and information specifying a language model, simultaneously with said broadcast contents;~~

~~language model specifying part for specifying said language model retained in advance, by using information specifying said received language model;~~

~~a correcting part for utilizing a synonym dictionary, in which a plurality of words are classified into word classes based on the basis of the synonymy between the words, and of thereby ~~correcting~~ correct a frequency of appearance of a predetermined combination of ~~said~~ the word classes in an expression form of ~~said the~~ specified language model and/or a frequency of appearance of a predetermined word with reference to ~~said a~~ a predetermined word class in ~~an~~ the expression form of ~~said the~~ specified language model, based on the basis of history information ~~of on~~ speech recognition ~~result~~ results of already performed speech recognition; wherein~~

~~the speech recognition part for performing~~ performs the speech recognition ~~of a voice uttered by a viewing person, by using said the~~ corrected language model;

~~specifying part for specifying said keyword information on the basis of the speech recognition result; and~~

~~displaying part for displaying additional information corresponding to said specified keyword information.~~

27. (Currently Amended) The second apparatus ~~of~~ according to claim 26-25, wherein the information specifying ~~said the~~ language model is specified by using an ID imparted to ~~said the~~ language model in advance.

28. (Currently Amended) The second apparatus ~~of~~ according to claim 26-25, wherein:

~~the information specifying said the~~ language model is specified by using keyword information for language model specification_z.

the keyword information for language model specification is imparted also to ~~said the~~ language model retained in advance_z, and

~~said the~~ language model specifying part specifies ~~said the~~ language model depending on ~~the a~~ degree of agreement of those keywords for language model specification.

29. (Currently Amended) A ~~The~~ second apparatus according to ~~any one of claims 25 to 28~~ claim 26, wherein:

if ~~said the~~ correcting part corrects ~~a the~~ frequency of appearance of ~~a the~~ predetermined word with reference to ~~a the~~ predetermined word class in ~~an the~~ expression form of ~~said the~~ language model, wherein ~~said the~~ history information ~~contains containing~~ a word recognized in ~~said the~~ already performed speech recognition_z, and

~~said the~~ correcting part extracts a word contained in ~~said the~~ word class containing the word corresponding to ~~said the~~ keyword information_z.

with respect to a word contained in ~~said the~~ history information among the extracted words, ~~a the~~ frequency of appearance of the word with reference to ~~said the~~ word class in ~~an the~~ expression form of ~~said the~~ language model is increased_z, and

with respect to a word not contained in ~~said the~~ history information among the extracted words, ~~a the~~ frequency of appearance of the word with reference to ~~said the~~ word class in ~~an the~~ expression form of ~~said the~~ language model is decreased.

30. (Currently Amended) A ~~The~~ second apparatus according to ~~any one of claims 25 to 28~~ claim 26, wherein:

if ~~said the~~ correcting part corrects ~~a the~~ frequency of appearance of ~~a the~~ predetermined combination of ~~said the~~ word classes in ~~an the~~ expression form of ~~said the~~ language model, wherein ~~said the~~ history information ~~contains containing~~ a word recognized in ~~said the~~ already performed speech recognition_z, and

~~said the~~ correcting means ~~part~~ extracts a word class containing a ~~the~~ word corresponding to ~~said the~~ keyword information₇.

with respect to ~~said the~~ extracted word class, a ~~the~~ frequency of appearance of a ~~the~~ predetermined combination of ~~said the~~ word classes in an ~~the~~ expression form of ~~said the~~ language model is increased₇ and

with respect to a word class not extracted, a ~~the~~ frequency ~~that the word class appears after of appearance of a the predetermined sequence combination of~~ ~~said the~~ word classes in an ~~the~~ expression form of ~~said the~~ language model is decreased.

31. (Currently Amended) A ~~The~~ second apparatus according to ~~any one of claims 25-28 claim 26~~ wherein:

if ~~said the~~ correcting means ~~part~~ corrects a ~~the~~ frequency of appearance of a ~~the~~ predetermined combination of ~~said the~~ word classes in an ~~the~~ expression form of ~~said the~~ language model, wherein ~~said the~~ history information ~~contains containing a~~ word class containing a word recognized in ~~said the~~ already performed speech recognition₄ and

~~said the~~ correcting part extracts a word class corresponding to ~~said the~~ keyword information₇.

with respect to ~~said the~~ extracted word class, a ~~the~~ frequency of appearance of a ~~the~~ predetermined combination of ~~said the~~ word classes in an ~~the~~ expression form of ~~said the~~ language model is increased₇ and

with respect to a word class not extracted, a ~~the~~ frequency of appearance of a ~~the~~ predetermined combination of ~~said the~~ word classes in an ~~the~~ expression form of ~~said the~~ language model is ~~reduced~~ ~~decreased~~.

32. (Currently Amended) A ~~The~~ second apparatus according to any one of claims 25-28, ~~further~~ comprising a transmitting part ~~for transmitting an instruction corresponding to a predetermined operation to a predetermined transmission destination when the predetermined operation is performed on said the displayed additional information.~~

33. (Currently Amended) The second apparatus according to claim 32, wherein

~~said the~~ additional information is goods sales information and/or services sales information, and

wherein ~~said the~~ instruction corresponding to a ~~the~~ predetermined operation is a request for brochure or purchase instruction information concerning ~~said the goods~~ and/or ~~said the~~ service.

34. (Currently Amended) The second apparatus of according to claim 26-25, wherein ~~said the~~ language model retained in advance has been acquired in advance through a network.

35.-37. (Cancelled)

38. (New) The broadcast receiving method according to claim 13, wherein

the scene code is broadcasted every time the scene has changed,

the receiving step receives the scene code broadcasted every time the scene has changed,

the language model specifying step specifies the language model every time the scene code has received, and

the speech recognition step performs the speech recognition by using the language model specified every time the scene code is received.

39. (New) The broadcast receiving system according to claim 16, wherein

the broadcasting part broadcasts the scene code every time the scene has changed,

the receiving part receives the scene code broadcasted every time the scene has changed,

the language model specifying part specifies the language model every time the scene code has received, and

the speech recognition part performs the speech recognition by using the language model specified every time the scene code is received.

40. (New) A speech recognition method comprising:

a receiving step of receiving, simultaneously with broadcast contents, a scene code indicating a scene of the broadcast contents broadcasted;

a language model specifying step of specifying, out of language models retained in advance, the language model corresponding to the received scene code when the scene code is received; and

a speech recognition step of performing speech recognition of a voice uttered by a viewing person, by using the specified language model.

41. (New) A speech recognition apparatus comprising:

a receiving part receiving, simultaneously with broadcast contents, a scene code indicating a scene of the broadcast contents broadcasted;

a language model specifying part specifying, out of language models retained in advance, the language model corresponding to the received scene code when the scene code is received; and

a speech recognition part performing speech recognition of a voice uttered by a viewing person, by using the specified language model.